

FLUIDIC INTERFACE FOR BIOPROCESSOR SYSTEMS

ABSTRACT OF THE DISCLOSURE

5 An apparatus and method for an aseptic fluidic interface between bioprocess systems is provided. The apparatus includes an inlet valve, adapted for automatic control, that is coupled to a biofluid source site. A sampling conduit extends from the inlet valve to an outlet valve. The outlet valve is adapted for automatic control and is coupled to a biofluid process site. A trap is at the sampling conduit. A waste valve,
10 adapted for automatic control, is located at a waste conduit extending from the sampling conduit to a waste site. Also included is a wash fluid source that is coupled to at least one of the inlet or outlet valves. In the method, the sample is automatically directed to the biofluid process site by opening the outlet valve, and closing the waste valve. Also included is isolating the biofluid sites by closing the inlet and outlet valves, and opening
15 the waste valve to drain biofluid from the trap to the waste site. Another step is cleaning the sampling conduit before sample collection by directing the wash fluid through at least one valve selected from the inlet and outlet valves, and subsequently through the waste valve to the waste site.